

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera

DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

M.Q. Windows, Inc. 1855 Griffin Road, Suite A-271 Dania, FL 33004

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "JS Tit & Turn" Inswing Wood Dual Action Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. **JS-TT-1**, titled "JS Series Tilt & Turn Inswing Wood Windows Miami Dade County", sheets 1 through 7 of 7, dated 07/03/07, with revision dated 12/18/08, prepared by manufacturer, signed and sealed by Scott Wolters, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with M.Q. Windows, Inc. or M.Q. Windows, Inc. logo, Ste-Agathe des Monts, Quebec, Canada, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # 08-0827.23 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.

MIAMIDADE COUNTY
APPROVED

W) 15/3/12 NOA No. 12-0222.09 Expiration Date: March 25, 2014 Approval Date: April 26, 2012

Page 1

M.Q. Windows, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No JS-TT-1, titled "JS Series Tilt & Turn Inswing Wood Windows Miami Dade County", sheets 1 through 7 of 7, dated 07/03/07, with revision dated 12/18/08, prepared by manufacturer, signed and sealed by Scott Wolters, P.E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 201-94
 - 6) Forced Entry Test, per FBC, TAS 202-94

along with marked-up drawings and installation diagram of a JS series dual action inswing window, prepared by Hurricane Test Laboratory, LLC., Test Report No. **G118-1108-06**, dated 11/29/06, signed and sealed by Vinu J. Abraham, P.E. (Submitted under previous NOA# 08-0827.23)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC–2010, dated May 1st, 2012, prepared by Wolters Engineering, Inc., signed and sealed by Scott Wolters, P.E.
- 2. Glazing complies with ASTM E1300-04

D. OUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 11-0325.05 issued to Solutia, Inc. for their "Saflex and Vanceva clear and color interlayers" dated 05/05/11, expiring on 05/21/16
- 2. Notice of Acceptance No. 08–1224.04 issued to Solutia, Inc. for their "Saflex Composites Glass Interlayer with PET Core" dated 02/25/09, expiring on 12/11/13.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0222.09

Expiration Date: March 25, 2014 Approval Date: April 26, 2012

M.Q. Windows, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

- 1. Statement letter of conformance, complying with FBC-2010, dated February 15, 2012, signed and sealed by Scott Wolters, P.E.
- 2. Laboratory compliance letter for Test Report No. HTL-G118-1108-06, issued by Hurricane Test Laboratory, LLC, dated 08/09/07, signed and sealed by Jose Colon, E.I.

(Submitted under previous NOA No. 08-0827.23)

G. OTHER

1. Notice of Acceptance No. **08-0827.23**, issued to M.Q. Windows, Inc. for their "Series JS Inswing Tilt & Turn Wood Window – L.M.I.", approved on 03/25/09 and expiring on 03/25/14.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0222.09

Expiration Date: March 25, 2014 Approval Date: April 26, 2012 TILT & TURN (DUAL ACTION)
WOOD WINDOWS, INSWING
ELEVATION VIEWS
CONFIGURATIONS: x, xx
WOOD: Mahogany
VIEWED FROM THE INSIDE

DESIGN PRESSURE APPLYING TO THIS PAGE

Acting Inward: +65 psf Acting outward: -85 psf

Note: All sizes noted are maximum sizes. Sizes smaller in width & height are permitted.

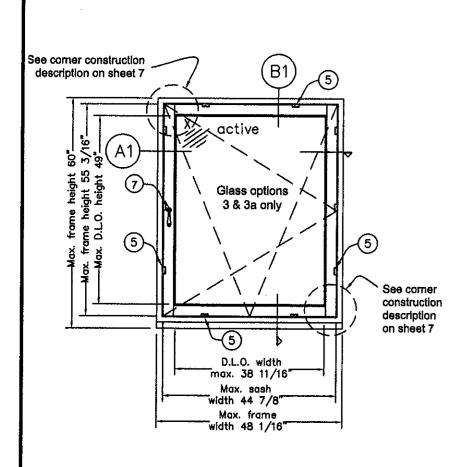
Shutters are not required.

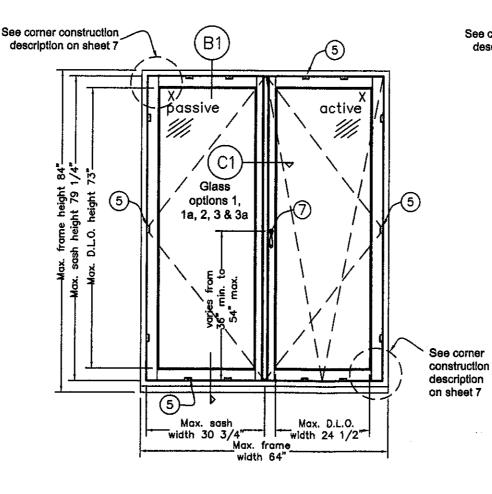
GENERAL NOTES:

- 1- THIS PRODUCT IS DESIGNED TO COMPLY WITH THE PROVISIONS OF THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF THE 2010 EDITION OF THE FLORIDA BUILDING CODE.
- 2- THIS PRODUCT IS LARGE MISSILE IMPACT RESISTANT AND HAS BEEN TESTED IN ACCORDANCE WITH THE HIGH VELOCITY HURRICANE ZONE PROTOCOLS TAS201, 202 AND 203. NO SHUTTERS ARE REQUIRED.
- 3- WOOD BUCKS (BY OTHERS) AND OPENINGS MUST BE DESIGNED BY THE PROFESSIONAL OF RECORD TO PROPERLY TRANSFER WIND LOADS TO THE MAIN STRUCTURE.
- 4- SPECIFIED ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
- 5- IN ORDER TO VERIFY THAT ANCHORS FOR THIS PRODUCT WERE NOT OVERSTRESSED AS TESTED, A 33% ALLOWABLE STRESS INCREASE WAS NOT USED IN THEIR ANALYSIS. HOWEVER, A LOAD DURATION FACTOR OF Cd = 1.6 WAS USED TO VERIFY THEIR SPACING IN WOOD SUBSTRATES.
- 6- ALL WOOD NOT SEPARATED FROM AND/OR IN DIRECT CONTACT WITH CONCRETE AND MASONRY SHALL BE TREATED IN AN APPROVED PRESERVATIVE OR SHALL BE AN APPROVED DURABLE SPECIES PER FBC 004 ch. 2326.2.4.

FOR ANCHOR SPACING, SEE ANCHOR REQUIREMENTS TABLE ON SHEET 4.

NOTE: Numbers in circle are referred to the bill of materials on sheet 5.





GLAZING TYPE TABLE

GLASS: SINGLE, LAMINATED

OPTION 1: 3/16"(AN)-0.090" PVB Interlayer Saflex IIIG by Solutia-3/16"(HS)

OPTION 2: 3/16"(HS)-0.090" PVB interlayer Saflex IIIG by Solutia-3/16"(HS)

OPTION 3: 5/32"(AN)-0.075" Vanceva SG2 interlayer by Solutia-5/32"(AN)

GLASS: INSULATED, LAMINATED

OPTION 1a: 1" overall thickness. 3/16"(AN)-0.090" PVB interlayer Saflex IIIG by Solutla-3/16"(HS); air space 0.377"; Interlor 5/32"(AN).

OPTION 2a: 1" overall thickness. 3/16"(HS)-0.090" PVB interlayer Saflex IIIG by Solutia-3/16"(HS); air space 0.377"; Interior 5/32"(AN).

OPTION 3a: 1" overall thickness. 5/32"(AN)-0.075" Vanceva SG2 interlayer by Solutia-5/32"(AN); air space 0.456"; Interior 5/32"(AN).

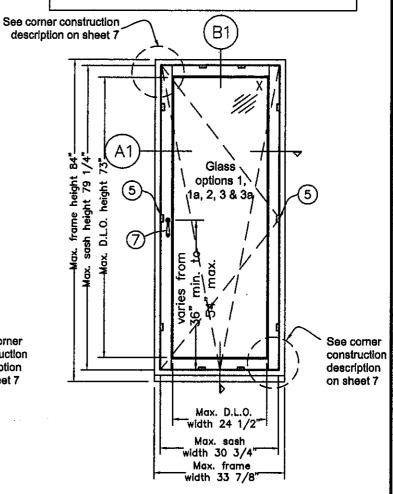
RAISED WOOD PANEL: (specific gravity of 0.59)

Max. DLO area:

-Solid mahogany wood: Max. 7.81 sqf

NOTE:

-See Glazing Details on sheet 5





1855 GRIFFIN ROAD, SUITE A-271 DANIA, FL 33004

JS SERIE
TILT & TURN INSWING
WOOD WINDOWS
MIAMI DADE COUNTY

Drawing no.: JS-TT-1

Scale: Drawn by: S. Marcotte

Date drawn: Date revised: 12/18/08

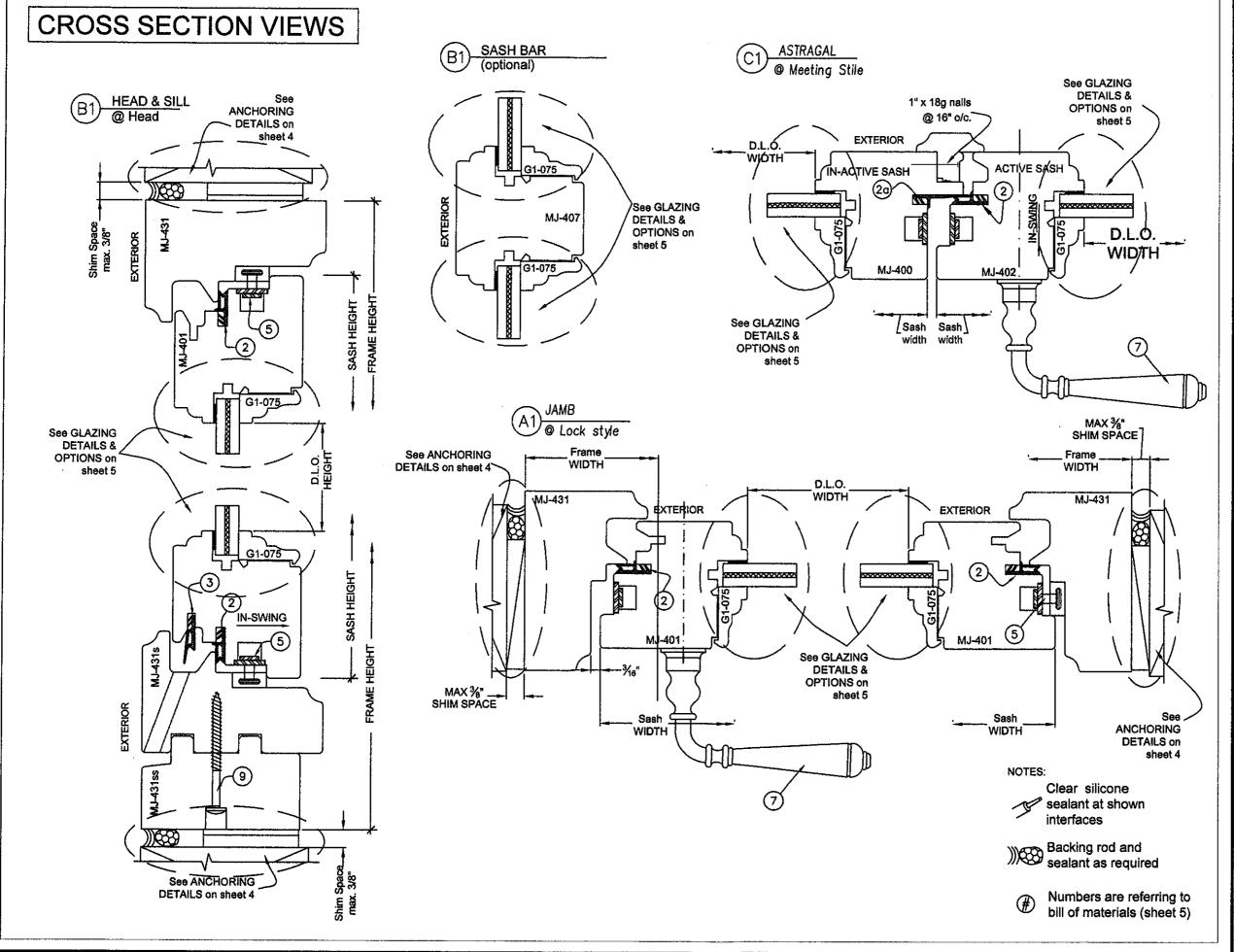
File: Page: 1/7

STRUCTURALLY REVIEWED BY:

SCOTT WOLTERS FL PE# 62354

WOLTERS ENGINEERING, INC. (COA# 27194) 1271 GRANT STREET HOLLYWOOD, FL 33019 FEB 1 5 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No /2-0222.09
Expiration Date Miscol 25, 2014
By Manuel Susaniani Dade Product Control





JS SERIE
TILT & TURN INSWING
WOOD WINDOWS
MIAMI DADE COUNTY

Drawing no.: JS-TT-1

Scale: Drawn by: S. Marcotte

Date drawn: Date revised: 12/18/08

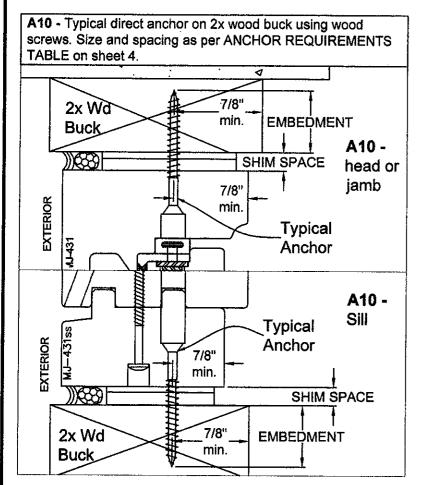
File: Page: 2/7

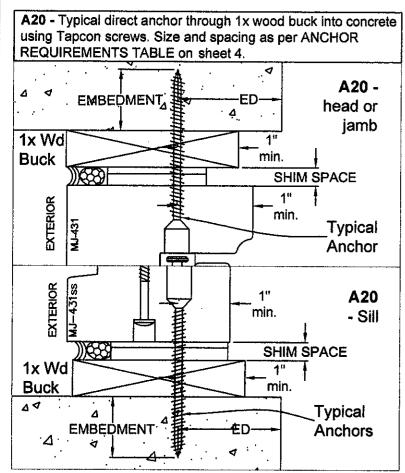
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WOLTERS ENGINEERING, INC. (COA# 27194)
1271 GRANT STREET HOLLYWOOD, FL 33019
FEB 1 5 2012

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as complying with the Florida
Building Code
Acceptance No 12-0222.09
Expiration Date Hagen 25, 2014
By Manuel Day
Miami/Dade Product Control



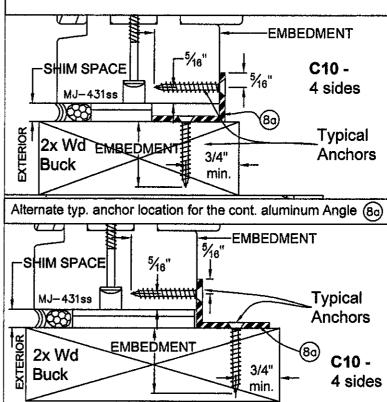


ANCHORING DETAILS VIEWS

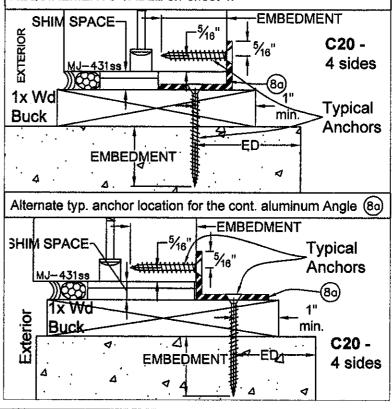
B10- Typical anchor using Installation Bracket (8)on 2x wood buck using wood screws as per ANCHOR REQUIREMENTS TABLE on sheet 4. EMBEDMENT 2x Wd **Buck** SHIM SPACE **EMBEDMENT** 3/4" 3/4" Min. B10-Min. Head & **Typical Jambs** Anchors -EMBEDMENT B10-Typical Sill Min. **Anchors** 3/4" Min. 2x Wd -SHIM SPAG EMPEDMENT Buck

B20 - Typical anchor w/ Installation Bracket (8) using Tapcon screws through 1x wood buck into concrete as per ANCHOR REQUIREMENTS TABLE on sheet 4. **B20-EMBEDMENT** Head & -SHIM SPACE **Jambs** Exterior Buck Typical MJ-431 Anchors 1" min. -EMBEDMENT **Typical** Min. **Anchors** Exterior MJ-4 EMBEDMENT Buck min. -SHIM SPACE B20-**EMBEDMENT** Sill

C10 - Typical anchor w/ Continuous Aluminum Angle (80) using wood screws in 2x wood buck and window frame. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 4.



C20 - Typical anchor w/ Continuous Aluminum Angle (80) using Tapcon screws through 1x wood buck into concrete and wood screw into window frame. Size and spacing as per ANCHOR REQUIREMENTS TABLE on sheet 4.





SUITE A-271 DANIA, FL 33004

JS SERIE
TILT & TURN INSWING
WOOD WINDOWS
MIAMI DADE COUNTY

Drawing no.:	JS-TT-1
Scale:	Drawn by:
NONE	S. Marcotte
Date drawn:	Date revised:
07/03/15	12/18/08
File: JS-TT-1	Page: 3/7

STRUCTURALLY REVIEWED BY:



OLTERS ENGINEERING, INC (COA# 27194) 1271 GRANT STREET HOLLYWOOD, FL 33019

FEB 15 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0222.09
Expiration Date Harry 25, 2014
By Manual June
Miami Dade Product Control

ANCHOR REQUIREMENTS TABLE

Anchoring method	Sub- strate	Inst. Ref. No.	Fasteners type, size & embedment	Spacing On From center	Min. dist. from wood buck edge	Min. dist. from msry edge (ED)	Min. dist. from unit frame edge	Min. em Into buck / msry	Into unit
Direct anchor	2x_wood buck	A10 4 sides	Through the unit frame into the buck frame: (1) #14 x 2 3/4" wood screw.	51/2" 41/2"	7/8"		7/8"	1 1/4"	
(shear screws)	1x_ wood buck	A20 4 sides	Through the unit frame & buck frame into the concrete: (1) 1/4" x 2 3/4" Elco / Textron Tapcon screw.	51/2"	1"	2½"	1"	1 1/4"	
PDF-FS- 05/D Installation bracket	2x_ wood buck	B10 head jamb	To the buck frame: (2) #12 X 1 1/2" all threaded (a.T.) wood screws. To the unit frame: (2) # 10 x 1" a.T. wood screws.	11" 5½"	3/4"		3/4"	1 1/4"	7/8"
		B10 sili	To the buck frame: (2) #12 X 1 1/2" a.T. wood screws. To the unit frame subsill (MJ431ss): (2) # 10 x 1" a.T. wood screws.	5½" 11"	3/4"	-	3/4"	1 1/4"	7/8"
	1x_wood	B20 head jamb	Through the buck frame into the concrete: (1) 1/4" x 2 3/4" Elco / Textron Tapcon screw. Into the unit frame: (2) #10 x 1" a.T. wood screws.	10 ½"	1"	2½"	3/4"	1 1/4"	7/8"
	buck	B20 sill	Through the buck frame into the concrete: (1) 1/4" x 2 3/4" Elco / Textron Tapcon screw. To the unit frame frame : (2) # 10 x 1" a.T. wood screws.	10 ½"	1"	2½"	3/4"	1 1/4"	7/8"
Continuous aluminum		C10 4 sides	To the window frame and to the buck frame with (1) #12 x1 1/2" a. T. wood screw.	5½" 9"	3/4"		5/16"	1 1/4"	1 1/4"
angle (At sill only)			Through the buck frame into the f'c= 3320 psi. concrete: (1) 1/4" x 2 3/4" Elco / Textron Tapcon screw. Into the unit frame: (1) #12 x1 1/2".	10" 5½"	1"	2½"	5/16"	1 1/4"	1 1/4"

NOTES:

-All shim spaces between window frame and wood buck max. 3/8" @ head, jambs and sill. Use std wood or plastic shims.

-Jambs anchoring identical to head anchoring shown

- -Wood bucks (by others) and openings must be designed by the professional of record to properly transfer wind loads to the main structure.
- -Installation brackets (8) and aluminun angles (80) may be positioned at the interior or exterior side of the window.
- -Materials, but not limited to steel & steel screws that come in contact with other dissimilar materials shall meet with section 2003.8.4 of the 2004 edition of the Florida Building Code with the 2005 supplement.

))(C) Backing rod and sealant as required

Numbers in circle are referring to bill of materials (sheet 5)



JS SERIE
TILT & TURN INSWING
WOOD WINDOWS
MIAMI DADE COUNTY

Drawing no.: JS-TT-1

Scale: Drawn by: S. Marcotte

Date drawn: Date revised: 12/18/08

File: Page: 4/7

STRUCTURALLY REVIEWED BY:

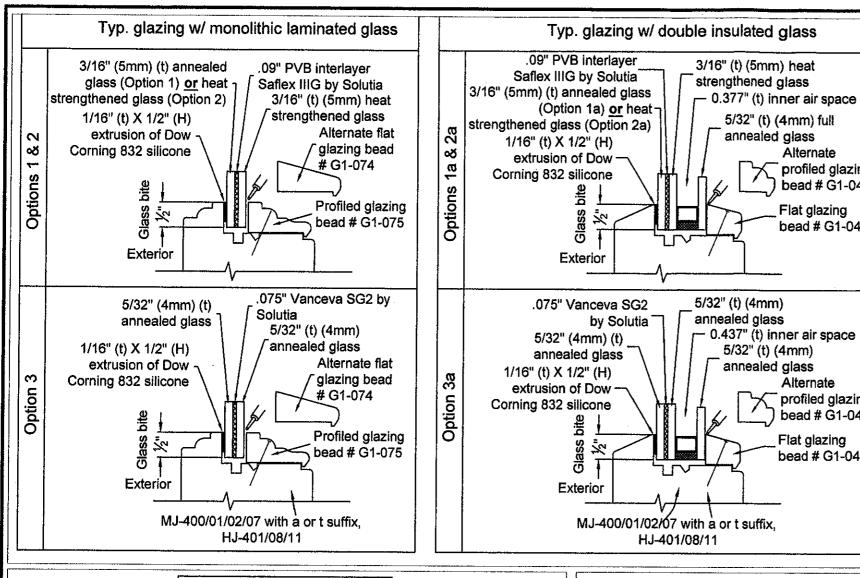
SCOTT WOLTERS FL PE# 62354 WOLTERS ENGINEERING, INC.

(COA# 27194) 1271 GRANT STREET HOLLYWOOD, FL 33019

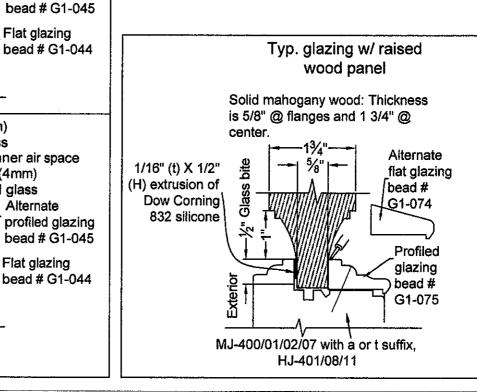
FEB 15 7012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No /2-0222.0

Acceptance No 12-0222.09
Expiration Date 140001 25,2014



GLAZING DETAILS



WINDOWS OF EUROPE AND THE AMERICAS

1855 GRIFFIN ROAD, SUITE A-271 DANIA, FL 33004

JS SERIE TILT & TURN INSWING WOOD WINDOWS MIAMI DADE COUNTY

Drawing no.:	JS-TT-1
Scale:	Drawn by:
NONE	S. Marcotte
Date drawn:	Date revised:
07/03/15	12/18/08
File: JS-TT-1	Page: 5/7

STRUCTURALLY REVIEWED BY:

COTT WOLTERS FL PE# 62354

WOLTERS ENGINEERING, INC. (COA# 27194) 1271 GRANT STREET HOLLYWOOD, FL 33019 FEB 15 2012

ACCESSORIES L5150 2 MIDDLE GASKET 11 Gage (.120 2 x #10 screw hole 1 x #12 <u>or</u> #14 screw 5/16" hole L7002 Min. 1 x #12 ASTRAGAL screw hole screw hole .25" Dia. #12 or 1/4" screw hole-.25 or .315" Dia. 3/4" -L5004 **ALUMINUM SILL** (3) SILL PDF-FS-05/D INSTALLATION BRACKET INSTALLATION **GASKET**

BILL OF MATERIALS

(see also related cross sections details)

5/32" (t) (4mm) full

Alternate

Flat glazing

Alternate

Flat glazing

(#) REF. NUMBERS ARE RELATED TO THOSE USED ON CROSS SECTIONS DRAWINGS

profiled glazing

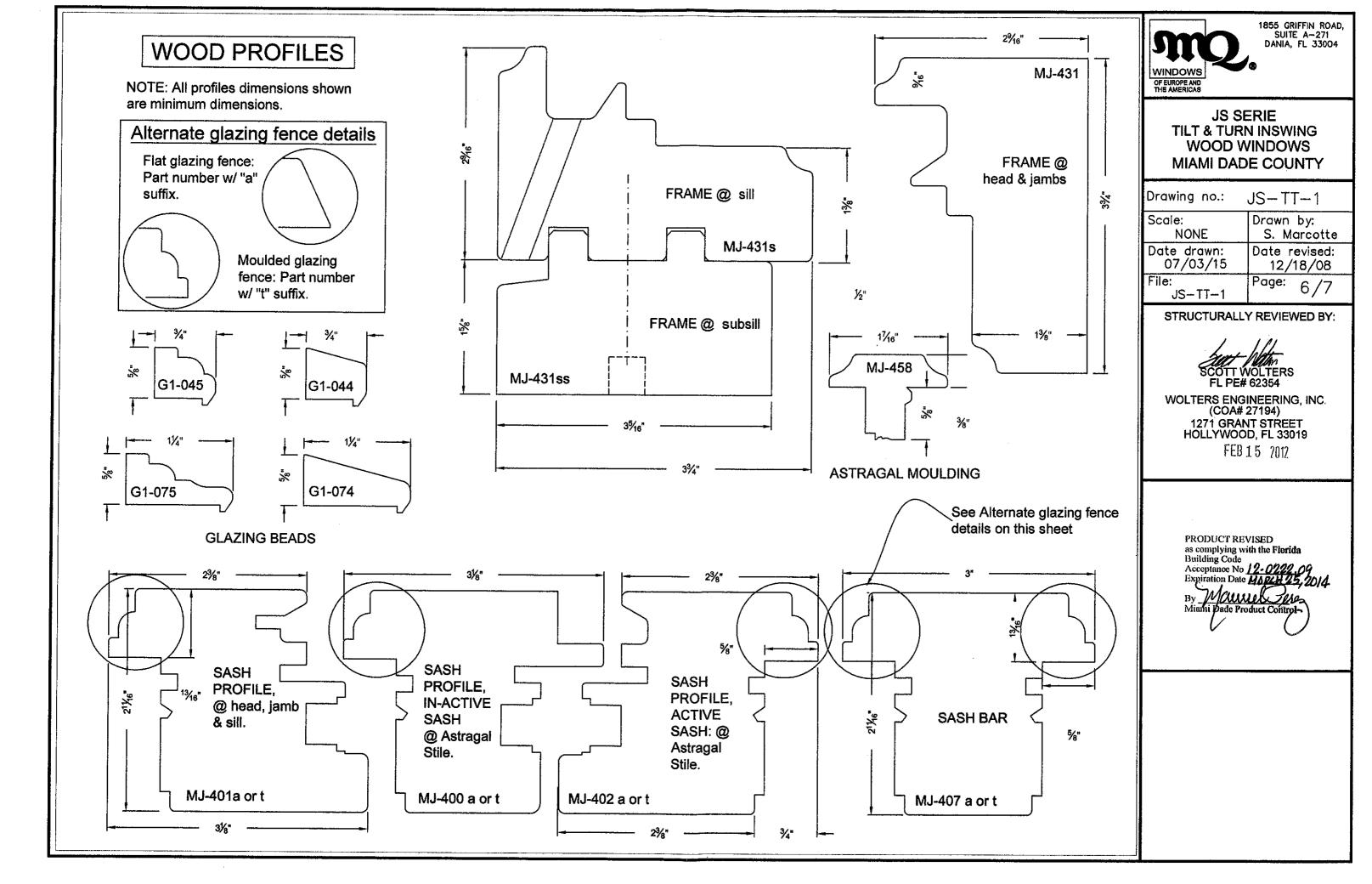
annealed glass

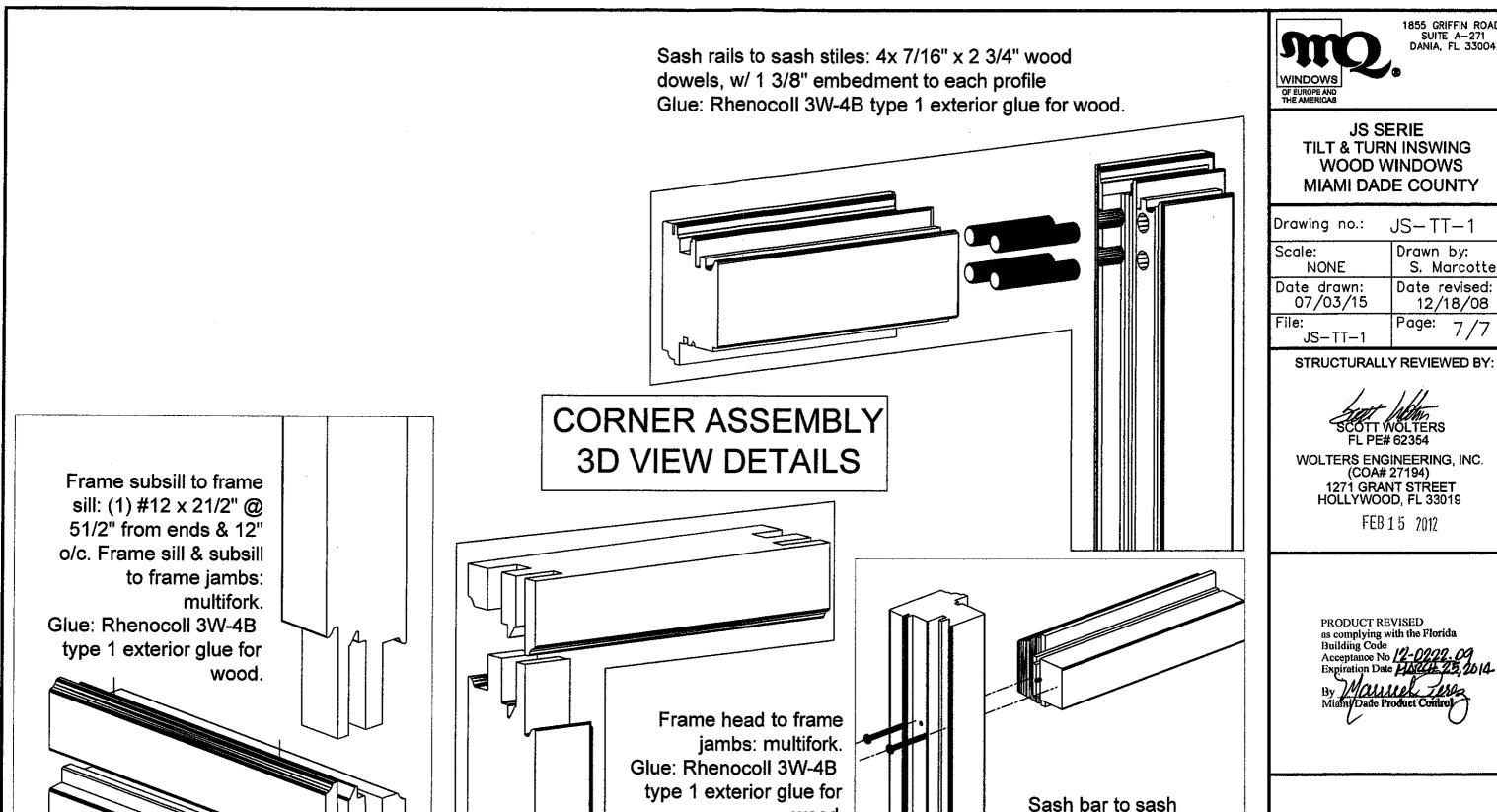
5/32" (t) (4mm)

annealed glass

Ref.	ITEM DESCRIPTION	MANUFACTURER / NOTES			
2	Brügman L5150, Push-in EPDM middle gasket	Push-in gasket, in a continuous groove around the sash.			
ශු	Brügman L7002, Push-in EPDM In-active astragal meeting stile middle gasket	Push-in gasket in a continuous groove. Ends @ sash's head & sill glued to the L5150 gasket			
3	Brügman L5004, Push-in EPDM sill gasket	Push-in gasket, in a continuous groove at sash sill.			
⑤	Ferco multi-point lock system.	Ferco G-20755 corner gear Ferco 6-26295 steel intermediate arm Ferco 6-26076 steel lever. Ferco 6-25485 steel mechanism Bronze cast alloy keeper, #833856.			
0	Lock handle	As required to operate lock.			
8	PDF-FS-05/D Installation bracket Gage 11 ASTM A653 SQ 33 G90 galvanized steel	To door frame: 2x #10 x 1" a.t. wood screws. Min.embedment is 3/4". To door sill frame: 2 x #10 x 3/4" a.t. wood screws. Min embedment is 5/8". To structure as per ANCHOR REQUIREMENTS on sheets 4			
<u>@</u>	Installation Aluminum angle (Alloy 6063-T5)	Screwed to wood sill and to structure as per ANCHOR REQUIREMENTS on sheets 4			
9	Subsill to sill wood pan head assembly screw.	(1) #12 x 21/2" @ 51/2" from ends & 12" o/c.			

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-0202.09 Expiration Date 145004 25, 2014





wood.

stiles: 2x #12 x 3"

screws at each end min, embedment is

wood

1 1/2"

1855 GRIFFIN ROAD, SUITE A-271 DANIA, FL 33004

Drawn by: S. Marcotte Date revised: 12/18/08 Page: 7/7